

CLAIMS

1. Portable electronic device (1) comprising a case (2) containing a dial (4), motor means (27) controlling at least two analog display members (8, 9) disposed above the dial (4), means (23, 31) for determining the value of a physical magnitude
5 related to the altitude at a given instant, electronic circuits (20) comprising in particular a time base (22), means (21) for processing said value and means (26) for storing one or several of the determined or processed values of said physical magnitude, characterized in that said processing means (21) are arranged to produce first control signals for said motor means (27) based on the determined values of said physical
10 magnitude, for effecting a display representing on the one hand an instantaneous rate of change of altitude by a first (9) of said analog display members and on the other hand a mean rate of change of altitude over a predetermined interval of time by the second (8) of said analog display members.
2. A device according to claim 1, characterized in that said means for
15 determining the value of said magnitude related to the altitude comprise a pressure sensor (23).
3. A device according to claim 1 or 2, characterized in that said electronic circuits further comprise a timepiece movement, the device having a time mode of operation in which said electronic circuits (20) are arranged to produce second
20 electrical signals for said motor means (27) to control said analog display members (8, 9) in such a manner that they display the current time.
4. A device according to any of claims 1 to 3, characterized in that said electronic circuits (20) are further arranged to determine the value of the altitude at a given instant on the basis of the value determined by said means for determining (23,
25 31).
5. A device according to any of claims 1 to 3, said device further comprising a digital display area (30), characterized in that said electronic circuits (20) are further arranged to determine the value of the altitude at a given instant on the basis of the value determined by said means for determining (23, 31) and to produce third
30 electrical signals for a control circuit for said digital display area to display said determined value of altitude.
6. A device according to any of the preceding claims, characterized in that said processing circuits (21) are arranged to produce supplementary electrical signals for alarm means (32) in response to detection of overstepping a predetermined value
35 by one of said determined values of said physical magnitude.